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RAW SEQUENCE LISTING

DATE: 02/11/2002

PATENT APPLICATION: US/09/930,915A

TIME: 14:21:58

Input Set : A:\Icc102pl.app

Output Set: N:\CRF3\02112002\I930915A.raw

PS

3 <110> APPLICANT: Birkett, Ashley J.  
 5 <120> TITLE OF INVENTION: IMMUNOGENIC Hbc CHIMER PARTICLES HAVING ENHANCED  
 6 STABILITY  
 8 <130> FILE REFERENCE: 4564/83501 ICC-102.2 PCT  
 10 <140> CURRENT APPLICATION NUMBER: 09/930,915A  
 11 <141> CURRENT FILING DATE: 2001-08-15  
 13 <150> PRIOR APPLICATION NUMBER: 60/226,867  
 14 <151> PRIOR FILING DATE: 2000-08-22  
 16 <150> PRIOR APPLICATION NUMBER: 60/225,843  
 17 <151> PRIOR FILING DATE: 2000-08-16  
 19 <160> NUMBER OF SEQ ID NOS: 313  
 21 <170> SOFTWARE: PatentIn Ver. 2.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 16  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Plasmodium falciparum  
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 30 1 5 10 15  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 20  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Plasmodium falciparum  
 38 <400> SEQUENCE: 2  
 39 Glu Tyr Leu Asn Lys Ile Gln Asn Ser Leu Ser Thr Glu Trp Ser Pro  
 40 1 5 10 15  
 42 Ala Ser Val Thr  
 43 20  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 15  
 48 <212> TYPE: PRT  
 49 <213> ORGANISM: Streptococcus pneumoniae  
 51 <400> SEQUENCE: 3  
 52 Lys Leu Glu Glu Leu Ser Asp Lys Ile Asp Glu Leu Asp Ala Glu  
 53 1 5 10 15  
 56 <210> SEQ ID NO: 4  
 57 <211> LENGTH: 35  
 58 <212> TYPE: PRT  
 59 <213> ORGANISM: Streptococcus pneumoniae  
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 62 Gln Lys Lys Tyr Asp Glu Asp Gln Lys Lys Thr Glu Glu Lys Ala Ala  
 63 1 5 10 15  
 65 Leu Glu Lys Ala Ala Ser Glu Glu Met Asp Lys Ala Val Ala Val

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68 Gln Gln Ala
69          35
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 27
74 <212> TYPE: PRT
75 <213> ORGANISM: Cryptosporidium parvum
77 <400> SEQUENCE: 5
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79  1          5          10          15
81 Pro Ala Ala Gln Gln Asp Lys Pro Ala Asp Ala
82          20          25
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86 <211> LENGTH: 17
87 <212> TYPE: PRT
88 <213> ORGANISM: Human immunodeficiency virus type 1
90 <400> SEQUENCE: 6
91 Arg Lys Arg Ile His Ile Gly Pro Gly Arg Ala Phe Tyr Ile Thr Lys
92  1          5          10          15
94 Asn
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 31
100 <212> TYPE: PRT
101 <213> ORGANISM: Foot-and-mouth disease virus
103 <400> SEQUENCE: 7
104 Tyr Asn Gly Glu Cys Arg Tyr Asn Arg Asn Ala Val Pro Asn Leu Arg
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107 Gly Asp Leu Gln Val Leu Ala Gln Lys Val Ala Arg Thr Leu Pro
108          20          25          30
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 10
113 <212> TYPE: PRT
114 <213> ORGANISM: Influenza A virus
116 <400> SEQUENCE: 8
117 Tyr Arg Asn Leu Leu Trp Leu Thr Glu Lys
118  1          5          10
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 23
123 <212> TYPE: PRT
124 <213> ORGANISM: Influenza A virus
126 <400> SEQUENCE: 9
127 Ser Leu Leu Thr Glu Val Glu Thr Pro Ile Arg Asn Glu Trp Gly Cys
128  1          5          10          15
130 Arg Cys Asn Gly Ser Ser Asp
131          20
134 <210> SEQ ID NO: 10
135 <211> LENGTH: 23
136 <212> TYPE: PRT
137 <213> ORGANISM: Influenza A virus

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139 <400> SEQUENCE: 10
140 Ser Leu Leu Thr Glu Val Glu Thr Pro Ile Arg Asn Glu Trp Gly Cys
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143 Arg Cys Asn Asp Ser Ser Asp
144           20
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 142
149 <212> TYPE: PRT
150 <213> ORGANISM: Yersinia pestis
152 <400> SEQUENCE: 11
153 Asp Ile Leu Lys Val Ile Val Asp Ser Met Asn His His Gly Asp Ala
154   1           5           10           15
156 Arg Ser Lys Leu Arg Glu Glu Leu Ala Glu Leu Thr Ala Glu Leu Lys
157           20           25           30
159 Ile Tyr Ser Val Ile Gln Ala Glu Ile Asn Lys His Leu Ser Ser Ser
160           35           40           45
162 Gly Thr Ile Asn Ile His Asp Lys Ser Ile Asn Leu Met Asp Lys Asn
163           50           55           60
165 Leu Tyr Gly Tyr Thr Asp Glu Glu Ile Phe Lys Ala Ser Ala Glu Tyr
166           65           70           75           80
168 Lys Ile Leu Glu Lys Met Pro Gln Thr Thr Ile Gln Val Asp Gly Ser
169           85           90           95
171 Glu Lys Lys Ile Val Ser Ile Lys Asp Phe Leu Gly Ser Glu Asn Lys
172           100          105          110
174 Arg Thr Gly Ala Leu Gly Asn Leu Lys Asn Ser Tyr Ser Tyr Asn Lys
175           115          120          125
177 Asp Asn Asn Glu Leu Ser His Phe Ala Thr Thr Cys Ser Asp
178           130          135          140
181 <210> SEQ ID NO: 12
182 <211> LENGTH: 19
183 <212> TYPE: PRT
184 <213> ORGANISM: Haemophilus influenzae
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190 Gly Gly Tyr
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 11
196 <212> TYPE: PRT
197 <213> ORGANISM: Haemophilus influenzae
199 <400> SEQUENCE: 13
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204 <210> SEQ ID NO: 14
205 <211> LENGTH: 16
206 <212> TYPE: PRT
207 <213> ORGANISM: Haemophilus influenzae
209 <400> SEQUENCE: 14
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Input Set : A:\Icc102p1.app

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282 <213> ORGANISM: Trypanosoma cruzi
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285 Lys Ala Ala Ile Ala Pro Ala Lys Ala Ala Ala Pro Ala Lys Ala
286   1           5           10           15
288 Ala Thr Ala Pro Ala
289           20
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293 <211> LENGTH: 24
294 <212> TYPE: PRT
295 <213> ORGANISM: Plasmodium falciparum
297 <400> SEQUENCE: 21
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302           20
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306 <211> LENGTH: 20
307 <212> TYPE: PRT
308 <213> ORGANISM: Plasmodium falciparum
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311 Asn Ala Asn Pro Asn Val Asp Pro Asn Ala Asn Pro Asn Ala Asn Pro
312   1           5           10           15
314 Asn Ala Asn Pro
315           20
318 <210> SEQ ID NO: 23
319 <211> LENGTH: 20
320 <212> TYPE: PRT
321 <213> ORGANISM: Plasmodium falciparum
323 <400> SEQUENCE: 23
324 Asn Ala Asn Pro Asn Ala Asn Pro Asn Ala Asn Pro Asn Val Asp Pro
325   1           5           10           15
327 Asn Ala Asn Pro
328           20
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332 <211> LENGTH: 28
333 <212> TYPE: PRT
334 <213> ORGANISM: Plasmodium falciparum
336 <400> SEQUENCE: 24
337 Asn Ala Asn Pro Asn Val Asp Pro Asn Ala Asn Pro Asn Ala Asn Pro
338   1           5           10           15
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341           20           25
344 <210> SEQ ID NO: 25
345 <211> LENGTH: 20
346 <212> TYPE: PRT
347 <213> ORGANISM: Plasmodium falciparum
349 <400> SEQUENCE: 25
350 Asn Pro Asn Val Asp Pro Asn Ala Asn Pro Asn Ala Asn Pro Asn Ala
351   1           5           10           15

```

→ Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 02/11/2002

PATENT APPLICATION: US/09/930,915A

TIME: 14:21:59

Input Set : A:\Icc102p1.app

Output Set: N:\CRF3\02112002\I930915A.raw

L:2216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193

L:2231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:194



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Team: OIPEBackFileIndexing  
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Legal Date: 03-06-2002

No.	Doccode	Number of pages
1	CTMS	1

Total number of pages: 1

Remarks:

Order of re-scan issued on .....